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FBIS-2403/88
9 February 1988

MEMORANDUM FOR: Distribution

FROM: Chairman, FBIS Digital Collection Working Group (DCWG)

SUBJECT: Minutes of the 26 January 1987 Meeting (U)

1. The sixth meeting of the DCWG was held at FBIS on 26 Jan 88. DCWG
Chairman [] reviewed the Action Items and Sub-Group Chairmen Reports:

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A. Chairman's Report on Action Items

(1) Digital Collection Action Plan: The Chairman, calling attention to the FBIS Digital Collection Action Plan and noting that a final report is due in six months, waived the requirement for the originally scheduled interim reports in favor of sequential preparation of sections of the final report (See Attachment) which should reflect an implementation plan based on a two-pronged effort to: (a) Identify the types of signals that FBIS should expect to receive in the future as projected from new and developing technologies (HDTV, TDMA, Spread Spectrum etc.), including the identification of which news services are switching from analog to digital formats; and (b) identify, demodulate, analyze, assess and evaluate sample types of existing digital signals (V., etc.) []

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(2) SIGINT Symposium on PCM/Digital Communication Upgrades: []
[] will arrange to get viewgraphs from the symposium through NSA for a briefing to the DCWG. []

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(3) OSO Signal Files: [] said MOD officer [] had initially reviewed the OSO/TRAB signal files. Their impression was that the file content was not particularly useful since the collection requirements at TRAB are not the same as for FBIS. TRAB does, however, have access to significant publications on satellite monitoring. [] commented that he would like to review them. He and [] will return to TRAB 9 February. []

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SUBJECT: Minutes of the 26 January 1988 Meeting (U)

(4) Baseline AFS Data I/O /Process Flow Diagram - Second draft completed. Data rates entered from AFS documentation. GE/SES is preparing finished copy for co-ordination with IIED, ADD, & FED to verify actual data rates. ☐

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B. Sub-Group Chairmen Progress Reports

(1) Industry & Technology Trends - ☐. ☐ reported there is a significant amount of material in the IEEE newsletter, "The Institute" concerning tariffs for ISDN subscribers in the FRG. ☐

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(2) Systems Identification and Technical Specifications - ☐. Gerry outlined the plan (being developed with John A. (OEB/SSC/OSO)) to borrow a "sanitized" version of the OSO Whisper system (a portable collection system capable of handling four voice grade channels in FSK (R. 35, R. 36, R. 37, R. 38) or PSK (V. 26, V. 27, V. 29). This unit will be operated at the Panama Field Bureau on a short-term experimental basis to analyze some sample digital signals.

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*ACTION ITEM: - ☐; Document experimental procedure arrangements and report on experiment progress on 2/29. ☐

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(3) Candidate Signal Subgroup - ☐ Bill reported that his MOD staff had pulled together two partial lists of unidentifiable satellite signals. ☐

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2. OSO Projects/Comments/Recommendations ☐

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OSO/TCG Development Project in Machine Translation

☐ presented (for ☐ who was unable to attend) an overview of an OSO/TCG/Processing Support Division project in automated natural language machine translation that was developed as part of the S&T Computer Exploitation Program to provide support for operations involving foreign computer systems and equipment, particularly in the analysis and exploitation of large amounts of computer data. (Copies of the viewgraphs are available in the Chairman's office upon request and a demo can be arranged at ☐)

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SUBJECT: Minutes of the 26 January 1988 Meeting ☐

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3. Zenith System - ☐ SAD/OSO

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☐ briefed the Group on the PCM Telecommunications Analysis System, which was developed for Signal Analysis Division by ☐ Systems and delivered in March 1985 for analyzing digital radio signals, PCM bit streams, digitally modulated telemetry signals (e.g., S390), voice band modem signals (e.g., V.27), direct sequence spread spectrum signals, and interference filtering. System enhancements due in March 1988 include additional V. target signals and improved performance factors. (Copies of the viewgraphs are available in the Chairman's office). ☐

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4. NEXT MEETING DATE

The next meeting will be held on Monday, 29 February 1988 at 10:00 in the FBIS/ESG conference room (3S12). This is a change.

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Chairman, DCWG

Attachment: As Stated (S)

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SUBJECT: Minutes of the 26 January 1987 Meeting

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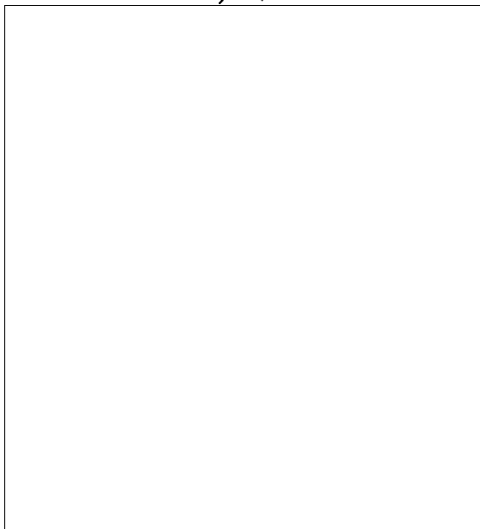
DS&T/FBIS/EG/ (26 Jan 87)

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Distribution

R.W. Manners, D/FBIS

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DRAFT #2

FBIS DIGITAL COLLECTION ACTION PLAN OUTLINE

DUE

EXECUTIVE SUMMARY

1. INTRODUCTION

7/88

Background
The DCWG - Charter, Membership
Purpose of this plan, plan organization

2. NOVEL FUTURE CANDIDATE SIGNALS

3/88

Generic signals of interest to FBIS
The impact of world-wide telecommunication technology
trends (ISDN, spread spectrum, HDTV, etc.)
Analysis of sample present-day digital signals

3. PROPOSED COLLECTION METHODS FOR FUTURE SIGNALS

5/88

Candidate collection systems (equipment specs/system
integration plan)
Exploitation Plan (performance requirements/interfaces)
Adaptability to future signal population

4. IMPLEMENTATION PLAN

7/88

Action Plan -- System Acquisition Schedule
Budget Requirements
Management Plan (staffing, training, etc.)
Security Plan

5. DIGITAL COLLECTION ISSUES

7/88

Legal/Political Factors
Public vs. private info
Restrictions by host governments
International Telecomm. Law
FBIS/OSO Charters
Impact on FBIS Headquarters Systems (AFS, etc.)
Impact on FBIS Field Operations (FBA, etc.)

APPENDICES

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